

Title (en)

Basecoat/clearcoat method of coating utilizing an anhydride additive in the thermoplastic polymer-containing basecoat for improved repairability.

Title (de)

Basis-/Klarlack-Überzugsverfahren, wobei zwecks verbesserter Reparierbarkeit ein Anhydrid-Zusatzstoff in dem einen Thermoplasten enthaltenden Basislack verwendet wird.

Title (fr)

Méthode de revêtement par vernis de base-verniss clair à réparabilité améliorée utilisant un additif anhydride dans un vernis de base contenant un polymère thermoplastique.

Publication

EP 0304816 A1 19890301 (EN)

Application

EP 88113493 A 19880819

Priority

US 8832887 A 19870824

Abstract (en)

Disclosed is a method of coating comprising the steps of: (I) coating a substrate with one or more applications of a pigmented basecoating composition comprising a thermoplastic, non-crosslinked, film-forming polymer having at least two functional groups per molecule which functional groups are co-reactive with acid anhydride moieties, to which basecoating composition has been added within 24 hours prior to coating the substrate, a carboxylic acid anhydride component having at least two cyclic anhydride groups in an amount so as to provide a ratio of equivalents of anhydride groups to equivalents of the co-reactive functional groups of at least 0.10:1.00 to form a basecoat; and (II) coating the basecoat with one or more applications of a transparent, crosslinking, topcoating composition comprising a crosslinkable, film-forming material and a crosslinking agent for the crosslinkable, film-forming material to form a transparent topcoat.

IPC 1-7

C09D 3/48; **B05D 1/36**

IPC 8 full level

B05D 7/24 (2006.01); **B05D 1/36** (2006.01); **B05D 5/00** (2006.01); **B05D 7/00** (2006.01); **B05D 7/14** (2006.01)

CPC (source: EP US)

B05D 5/005 (2013.01 - EP US); **B05D 7/534** (2013.01 - EP US)

Citation (search report)

- EP 0212457 A2 19870304 - PPG INDUSTRIES INC [US]
- DE 2262069 A1 19740627 - BASF AG
- US 4650718 A 19870317 - SIMPSON DENNIS A [US], et al

Cited by

CN104334434A; EP1366828A1; AU2009229388B2; WO2009120293A3; WO9427740A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0304816 A1 19890301; **EP 0304816 B1 19920129**; AU 2118888 A 19890518; AU 592715 B2 19900118; CA 1303439 C 19920616; DE 3868183 D1 19920312; ES 2028213 T3 19920701; JP H0556197 B2 19930818; JP S6470176 A 19890315; US 4798746 A 19890117

DOCDB simple family (application)

EP 88113493 A 19880819; AU 2118888 A 19880822; CA 574022 A 19880805; DE 3868183 T 19880819; ES 88113493 T 19880819; JP 21351988 A 19880824; US 8832887 A 19870824